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SPEARMAN ENGINEERING, PS

P. O. Box 230

Bremerton, WA 98337

Phone: 360-377-1630 Toll Free 1-877-777-1630 Fax: 360-377-1636

• MARINE
• STRUCTURAL
• ENVIRONMENTAL PERMITS

November 8, 2001

01-03

Mr. Don Ugelstad
Ash Grove Cement Co.
3801 E Marginal Way
Seattle, Washington 98124

Subject: Diving Services

Don:

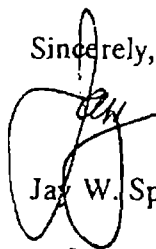
Enclosed are the following:

1. Copy of diver's field notes.
2. Copy of video tape
3. Invoice for diving services. If Ash Grove pays divers directly, I won't have to mark-up services.

Al Elliott, from my office, will work out a schedule with you for the WDFW biologist field visit.

If there are any questions, please call.

Sincerely,



Jay W. Spearman, PE

JWS:rl

- Encl:
1. Copy of diver's field notes
 2. Copy of video tape
 3. Invoice for diving services

cc with Enclosures 1 and 2: Svend Erichsen

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Oct 26, 01

Mr. Jay Spearman
Spearman Engineering
P.O Box 230
Bremerton, WA 98337

RE; Diving inspection, Ashgrove, Duwamish waterway

Advanced Commercial Divers, conducted an underwater visual and video inspection at the ashgrove concrete facility on Oct, 26 01 of the build up of spilled material on bottom and the surrounding area of the conveyor belt. The inspection covered 60 ft from the north to 60ft to the south of the center of the conveyor and 30 ft into the Duwamish waterway. Visibility during the dive period was 10ft.

A grid system was established to reference the areas of spilled material, with depths of bottom and times. The area inspected was 120ft by 30ft using the center of the conveyor as reference, 22 bottom depths were taken starting at the south working north 'reference drawing' the size of spilled material was noted on drawing and also on the video. The majority of the material is 1inch to 3/4inch minus sometimes larger 'at base of pile', which was located at the base of the conveyor. Size and locations are indicated on drawing plus video of some topside structures as reference points. Two samples were taken during the dive period 1 at the top of the mound 3/4 inch plus a mixture of sand, the second was at the base of the mound on the offshore side mainly consisting of 2 inch . Samples were brought to the surface and video to note size. video was also shot of the surrounding area topside.

Cory Finkle,
Marine diver